Document Control No.: 4200-22-AEDP

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SITE SUMMARY AND RECOMMENDATION

The Commercial Envelope Mfg. Co., Inc. (hereafter referred to as CEM) site (CERCLIS ID No. NYD981184138) is located at 900 Grand Boulevard in the Village of Deer Park, Babylon, Suffolk County, New York (Ref. Nos. 1; 2; 10). CEM also operates under the name Business Envelope Manufacturers Inc. (Ref. Nos. 2; 20, p. 26). CEM is an active envelope printing and manufacturing facility which has been located at the 7-acre site since 1977. ELM Freight Handling/ELM Public Warehouse and Distributing operates a warehouse out of a separate building on site. Alwin Seal, Incorporated, a producer of door frames and steel fencing, operated at the site from 1973 until 1977 (Ref. Nos. 19, p. 78; 20, 202). The property is currently owned by MAS Boulevard Associates (Ref. No. 9). Numerous parties have held title to the site since 1977 (Ref. No. 20, pp. 201-203). The site is located in an area primarily occupied by light industrial and commercial businesses. CEM is located on the southern side of Grand Boulevard and is bordered to the south, west, and east by Burt Drive, Innovation, Inc., and Art Marlin, respectively (Ref. No. 2).

The Suffolk County Department of Health Services (SCDHS) has conducted numerous inspections at CEM since January 1981. The SCDHS investigated a spill of between 1,937 and 5,835 gallons of dark purple liquid which occurred on 15 January 1981 (Ref. No. 20, pp. 92-94). The affected area was reported to have been excavated to a depth of 3 feet below the ground surface by Art Weiner-Earth Moving on 27 February 1981 (Ref. No. 20, p. 97). Subsequent inspections at CEM revealed various spills and reports of colored liquids bubbling up through the ground surface (Ref. Nos. 3, p. 8; 5, p. 4; 19, pp. 101, 104; 20, p. 110).

CEM produces approximately 750 gallons of wastewater per day that contains inks, glues and solvents. CEM operates an on-site wastewater incinerator. Prior to incineration, wastewater is stored on site in a 2,000-gallon steel aboveground storage tank located within the main building until a sufficient quantity has been collected. This storage tank was installed in 1983 (Ref. Nos. 6; 19, pp. 14, 80; 21). Prior to the installation of the aboveground tank, wastewater had been collected in three underground storage tanks located east of the building on site. SCDHS and CEM signed an Order on Consent in October 1982 requiring CEM to cease their (unspecified) unpermitted discharge of toxic and hazardous substances and to test the three subsurface holding tanks for leaks (Ref. Nos. 19, p. 109; 20, pp. 211-215).

Subsequently, the SCDHS discovered that CEM was also discharging industrial wastewater into two subsurface leaching pools. On 9 July 1985, the Suffolk County District Attorney's Office of Special Investigation served a search warrant to CEM. The search, which was conducted with the SCDHS, uncovered a third leaching pool at the site (Ref. No. 20, pp. 100-102). An Order on Consent requiring CEM to properly dispose of liquid and sludge contained in the

leaching pools was prepared by SCDHS on 12 November 1985; however, this order was not signed (Ref. No. 20, pp. 217-221). On 30 January 1986, CEM pleaded guilty to one felony count of Unlawful Discharge of Hazardous Waste in the Second Degree and 100 violations of the Suffolk County Sanitary Code. As a condition of the plea offer, CEM agreed to sign an Order on Consent requiring them to conduct a field investigation and clean up the site (Ref. No. 20, p. 205). The three leaching pools were pumped out and filled with clean sand. The sludge removed from the leaching pools was reportedly disposed of at a licensed facility; the wastewater was incinerated. The wastes were removed from the underground storage tanks. The wastewater from the tanks was collected and stored on site in 180 55-gallon drums. The sludge from the underground storage tanks was reportedly disposed of at a treatment, storage and disposal facility. The underground storage tanks were then filled with concrete and abandoned in place (Ref. Nos. 6, pp. 30, 31; 19, pp. 4, 60, 61, 70; 20, pp. 103, 117). Additionally, there are two 10,000-gallon underground storage tanks containing fuel oil and gasoline at the site. Approximately 9,300 gallons of fuel oil were discharged into an on-site observation well in January 1986 (Ref. Nos. 19, pp. 18, 78, 109). Petroleum products are excluded under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); therefore, these two tanks and the fuel oil discharge will not be included in this evaluation.

Waste sources at CEM include the underground storage tanks, the subsurface leaching pools and an area of contaminated soil. The underground storage tanks were used to contain CEM's wastewater prior to incineration from 1977 until 1983. The three tanks have a combined capacity of 7,000 gallons (Ref. Nos. 19, p. 109; 20, p. 117). A representative of SCDHS reported the presence of blue and black deposits along a sidewall of the excavation during the tank abandonment (Ref. No. 20, p. 103). The blue and black deposits indicate a release from the source area. The leaching pools received wastewater from 1977 until 1985 (Ref. Nos. 19, p. 109; 20, pp. 100-102). The leaching pools were not lined or otherwise contained. The total volume deposited in the leaching pools is unknown; however, over 6,000 gallons of liquid and 2,255 gallons of sludge were reported to have been removed from the pools (Ref. Nos. 3, pp. 8, 9; 19; p. 69). Several volatile organic compounds and metals have been detected in CEM's wastewater (Ref. Nos. 3; 5, pp. 4, 5; 6, p. 7; 19, pp. 90, 93; 20, pp. 121, 122). Various areas of documented contaminated soil were paved over prior to July 1987 (Ref. No. 20, p. 83). A surficial soil sample collected in the vicinity of a solvent storage shed revealed the presence of contaminants (Ref. No. 20, pp. 74, 78, 79, 124-130). The area associated with the contaminated soil was not delineated; however, for the purposes of this assessment, the area is considered to be 1 square foot. Solvents, glue, and alcohols are stored in a storage shed on site. A stained area located south of the storage shed and liquid present in the bottom of the storage shed were noted on 15 July 1987. The capacity of the storage shed is not known; therefore, for the purposes of this assessment, at least one 55-gallon drum is considered to be present in the shed (Ref. No. 20, p. 74).

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Numerous sampling events have been conducted at the CEM site between January 1981 and October 1988. Eder Associates, H2M and Geraghty & Miller have been hired independently as environmental consultants by CEM. EM Science and Technology prepared a Phase I Investigation Report on CEM for the NYSDEC/Division of Solid and Hazardous Waste (DSHW) in June 1987 (Ref. No. 19). NUS Corporation completed a Site Inspection Report for the U.S. Environmental Protection Agency (EPA) in September 1990 (Ref. No. 20).

An off-site reconnaissance was conducted by Roy F. Weston, Inc. (WESTON®) on 19 April 1994. Currently, CEM is active, employing approximately 61 people. The areas overlying the underground storage tanks and leaching pools have been paved over. The site is not completely fenced and access to exterior areas is not limited (Ref. Nos. 2; 20, p. 90). No plans for additional cleanup actions are present in available background files.

The existing information, data and additional information gathered were sufficient to evaluate the site. This assessment indicates that the site poses a threat to human health and the environment. A release of contaminants attributable to the site to the Upper Glacial Aquifer has been documented. The Upper Glacial Aquifer is hydraulically connected to the Magothy Formation. All potable water on Long Island is obtained from groundwater. Public and municipal water systems supply over 150,000 people with drinking water obtained from groundwater wells located within 4 miles of the site. The nearest potable water well is located approximately 3,500 feet northwest of the site. Surficial soil contamination has been documented; however, the unpaved area is relatively small. The site is active, and at least 61 people current work at CEM. There are no residences, day care centers, or schools located within 200 feet of the site. There is no evidence which indicates that hazardous substances attributable to the site have migrated to the nearest downslope surface water body which is located approximately 1,800 feet from CEM. There are no known sensitive environments in the vicinity of the site and the underground storage tanks and leaching pools have been paved over, limiting the exposure via contact with the soil and air migration. The site was evaluated using PAscore and PREscore. The groundwater pathway is the primary pathway of concern at the site. PAscore analysis resulted in an overall site score of 53; which is greater than the cutoff score of 28.5. PREscore analysis yielded a overall site score of 38.51. Therefore, based on the documented release of hazardous substances from the site to groundwater and the presence of contaminants is on-site soils a recommendation of **LOWER PRIORITY FOR FURTHER ACTION (LPFA)** is given to the Commercial Envelope Mfg. Co., Inc. site.

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OMB Approval Number: 2050-0095
Approved for Use Through: 4/95

PA-Score

PA Scoresheets

Site Name: Commercial Envelope Mfg. Co., Inc.
CERCLIS ID No.: NYD981184138
Street Address: 900 Grand Boulevard
City/State/Zip: Deer Park, NY 11729

Investigator: Diane Donovan Minsavage
Agency/Organization: U.S. EPA/Roy F. Weston, Inc.
Street Address: Raritan Plaza I, 4th Floor
City/State: Edison, NJ

Date: 07/06/94

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WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1	Waste storage tanks	Non-drum containers	WQ value	maximum
	Volume	7.00E+03 gals	1.40E+01	1.40E+01
2	Leaching pools	Other	WQ value	maximum
	Volume	4.13E+01 cu yds	1.65E+01	1.65E+01
3	Contaminated soil	Contaminated soil	WQ value	maximum
	Area	1.00E+00 sq ft	2.94E-05	2.94E-05
4	Drums	Drums	WQ value	maximum
	Volume	1.00E+00 drums	1.00E-01	1.00E-01

WQ total 3.06E+01

** Only First WC Page Is Printed **

Waste Characteristics Score: WC = 18

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Ground Water Pathway Criteria List Suspected Release	
Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	Y
Is precipitation heavy? (y/n/u)	N
Is the infiltration rate high? (y/n/u)	Y
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	Y
Is drinking water drawn from a shallow aquifer? (y/n/u)	Y
Are suspected contaminants highly mobile in ground water? (y/n/u)	Y
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	Y
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	Y

Summarize the rationale for Suspected Release:

Ground Water Pathway Criteria List Primary Targets	
Is any drinking water well nearby? (y/n/u)	N
Has any nearby drinking water well been closed? (y/n/u)	N
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	N
Does any nearby well have a large drawdown/high production rate? (y/n/u)	N
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	N
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	N
Other criteria? (y/n)	N
PRIMARY TARGET(S) IDENTIFIED? (y/n)	N

Summarize the rationale for Primary Targets:

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GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	Yes	
Is the site located in karst terrain? (y/n)	No	
Depth to aquifer (feet):	20	
Distance to the nearest drinking water well (feet):	3500	

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	1911	0	
5. NEAREST WELL	9	0	
6. WELLHEAD PROTECTION AREA >0 - 4 Miles	5	0	
7. RESOURCES	5	0	
T =	1930	0	

WASTE CHARACTERISTICS

WC =	18	0

GROUND WATER PATHWAY SCORE: 100

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***			Total	

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0		0
Greater than 1/4 to 1/2 mile	0		0
Greater than 1/2 to 1 mile	13922		522
Greater than 1 to 2 miles	27843		294
Greater than 2 to 3 miles	49349		678
Greater than 3 to 4 miles	66660		417
		Total	1911

Apportionment Documentation for a Blended System

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Surface Water Pathway Criteria List Suspected Release	
Is surface water nearby? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	Y
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	N
Is the infiltration rate low? (y/n/u)	N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	Y
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	N
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N

Summarize the rationale for Suspected Release:

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u) If yes: Y
N Drinking water intake
Y Fishery
Y Sensitive environment

Has any intake, fishery, or recreational area been closed? (y/n/u) N

Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u) N

Does any target warrant sampling? (y/n/u) If yes: N
N Drinking water intake
N Fishery
N Sensitive environment

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Intakes:

continued -------

continued -------

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

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SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics		Ref.
Do you suspect a release? (y/n)	No	
Distance to surface water (feet):	1800	
Flood frequency (years):	>500	
What is the downstream distance (miles) to: a. the nearest drinking water intake? b. the nearest fishery? c. the nearest sensitive environment?	 N.A. 2.0 0.0	

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					

Total Primary Target Population Value	0
Total Secondary Target Population Value	0

*** Note : Maximum of 6 Intakes Are Printed ***

pportionment Documentation for a Blended System

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Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	210	
T =	0	210	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Sampawams Creek	N	<10 cfs		210
2 Great South Bay	N	Coastal,ocean,Gr.Lake		12
3 South Oyster Bay	N	Coastal,ocean,Gr.Lake		12
4 Fire Island Inlet	N	Coastal,ocean,Gr.Lake		12
5 Atlantic Ocean	N	Coastal,ocean,Gr.Lake		12
		Total Primary Fisheries Value		0
		Total Secondary Fisheries Value		0

*** Note : Maximum of 6 Fisheries Are Printed ***

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	80	
T =	0	80	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Wetlands (palustrine)	N	<10 cfs		75
2 Wetlands (estuarine)	N	Coastal,ocean,Gr.Lake		0
3 State-listed habitats	N	Coastal,ocean,Gr.Lake		0
4 State Designated areas	N	<10 cfs		5
5 State designated areas	N	Coastal,ocean,Gr.Lake		0
6 National Seashore Rec.	N	Coastal,ocean,Gr.Lake		0

Total Primary Sensitive Environments Value 0
Total Secondary Sensitive Environments Value 0
*** Note: Maximum of 6 Sensitive Environments Are Printed ***

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	18	1
Human Food Chain	500	210	18	23
Environmental	500	80	18	9

SURFACE WATER PATHWAY SCORE: 32

Soil Exposure Pathway Criteria List Resident Population	
Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	N
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	N
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	N
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	N
Does any neighboring property warrant sampling? (y/n/u)	N
Other criteria? (y/n) N	
RESIDENT POPULATION IDENTIFIED? (y/n)	N

Summarize the rationale for Resident Population:

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics		Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n)	No	
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n)	No	
Is the facility active? (y/n):	Yes	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	
3. RESIDENT INDIVIDUAL	0	
4. WORKERS 1 - 100	5	
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	5	
T =	10	

WASTE CHARACTERISTICS

WC = 18

RESIDENT POPULATION THREAT SCORE: 1

NEARBY POPULATION THREAT SCORE: 1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE: 2

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed ***

Air Pathway Criteria List Suspected Release	
Are odors currently reported? (y/n/u)	N
Has release of a hazardous substance to the air been directly observed? (y/n/u)	N
Are there reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air? (y/n/u)	Y
Does analytical/circumstantial evidence suggest release to air? (y/n/u)	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N

Summarize the rationale for Suspected Release:

AIR PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	No	
Distance to the nearest individual (feet):	0	

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	66	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	91	

WASTE CHARACTERISTICS

WC =	0	18

AIR PATHWAY SCORE:	10

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	61		5
Greater than 0 to 1/4 mile	240		4
Greater than 1/4 to 1/2 mile	970		3
Greater than 1/2 to 1 mile	7570		8
Greater than 1 to 2 miles	41250		27
Greater than 2 to 3 miles	61850		12
Greater than 3 to 4 miles	85990		7
	Total Secondary Population Value		66

SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	32
SOIL EXPOSURE PATHWAY SCORE:	2
AIR PATHWAY SCORE:	10
SITE SCORE:	53

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed***

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
None			
Total Secondary Sensitive Environments Value			

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

   If yes, identify the well(s).

   If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
   A. Drinking water intake No
   B. Fishery No
   C. Sensitive environment (wetland, critical habitat, others) No

   If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

   If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

   If yes, explain:

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HRS DOCUMENTATION RECORD
Commercial Envelope Mfg. Co., Inc. - 09/19/94

1. Site Name: Commercial Envelope Mfg. Co., Inc.
   (as entered in CERCLIS)

2. Site CERCLIS Number: NYD981184138

3. Site Reviewer: Diane Donovan Minsavage

4. Date: 1 July 1994

5. Site Location: Deer Park/Suffolk County, New York
   (City/County,State)

6. Congressional District:

7. Site Coordinates: Single

   Latitude: 73°18'14. Longitude: 40

	Score
Ground Water Migration Pathway Score (Sgw)	77.00
Surface Water Migration Pathway Score (Ssw)	1.17
Soil Exposure Pathway Score (Ss)	0.20
Air Migration Pathway Score (Sa)	1.07

Site Score	38.51

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Leaching pools

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

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2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Leaching pools	
b. Source Type		Other	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	41.30	0.00
e. Source Volume/Area Value		1.65E+01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		1.65E+01	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Benzene	> 2	YES	1.1E-02	ppm
Dichloroethylene, cis-1,2-	> 2	YES	2.3E+00	ppm
Ethyl benzene	> 2	YES	5.0E-02	ppm
Methyl isobutyl ketone	> 2	YES	2.7E-01	ppm
Methylene chloride	> 2	YES	2.1E+00	ppm
Tetrachloroethene	> 2	YES	9.7E-01	ppm
Toluene	> 2	YES	6.9E-01	ppm
Trichlorobenzene, 1,2,4-	> 2	YES	1.9E-01	ppm
Trichloroethane, 1,1,1-	> 2	YES	1.5E-01	ppm
Trichloroethane, 1,1,2-	> 2	YES	5.2E-01	ppm
Xylene, m-	> 2	YES	3.1E-01	ppm

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Waste holding tanks

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Waste holding tanks	
b. Source Type		Non-Drum Container	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	35.00	0.00
e. Source Volume/Area Value		1.40E+01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		1.40E+01	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Chlorobenzene	> 2	YES	3.4E-01	ppm
Ethyl benzene	> 2	YES	2.6E-01	ppm
Methylene chloride	> 2	YES	2.5E+00	ppm
Tetrachloroethene	> 2	YES	4.3E-01	ppm
Toluene	> 2	YES	7.5E-01	ppm
Xylene, m-	> 2	YES	3.4E-01	ppm
Xylene, o-	> 2	YES	3.3E-01	ppm
Xylene, p-	> 2	YES	7.3E-02	ppm

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Contaminated soil

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Contaminated soil	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	1.00
e. Source Volume/Area Value		2.94E-05	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.94E-05	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Tetrachloroethene	< 2	YES	6.3E-03	ppm

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Storage shed

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Storage shed	
b. Source Type		Drums	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	55.00	0.00
e. Source Volume/Area Value		1.10E-01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		1.10E-01	

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Leaching pools	GW-SW	1.65E+01	0.00E+00	1.65E+01
2	Waste holding tanks	GW-SW	1.40E+01	0.00E+00	1.40E+01
3	Contaminated soil	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05
4	Storage shed	GW-SW-SE-A	1.10E-01	0.00E+00	1.10E-01

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4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values		HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	1.00E+02	10	6
SW: Overland Flow, DW	Tox./Persistence	4.00E+02	10	6
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	2.00E+05	10	32
SW: Overland Flow, Env	Etox./Persis./Bioacc.	2.00E+06	10	56
SW: GW to SW, DW	Tox./Persistence	4.00E+01	10	3
SW: GW to SW, HFC	Tox./Persis./Bioacc.	2.00E+05	10	32
SW: GW to SW, Env	Etox./Persis./Bioacc.	2.00E+06	10	56
Soil Exposure:Resident	Toxicity	1.00E+02	10	6
Soil Exposure: Nearby	Toxicity	1.00E+02	10	6
Air	Toxicity/Mobility	1.00E+02	10	6

* Hazardous Waste Quantity Factor Values
** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

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GROUND WATER MIGRATION PATHWAY SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Magothy aquifer		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	3
2d. Travel Time	35	15
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	240
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Well	50	9.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	1.91E+03
8d. Population (lines 8a+8b+8c)	**	1.91E+03
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	1.92E+03
12. Targets (including overlaying aquifers)	**	1.92E+03
13. Aquifer Score	100	77.00
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	77.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	9
2b. Runoff	25	2
2c. Distance to Surface Water	25	9
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	99
3. Potential to Release by Flood		
3a. Containment (Flood)	10	0
3b. Flood Frequency	50	0
3c. Potential to Release by Flood (lines 3a x 3b)	500	0
4. Potential to Release (lines 2d+3c)	500	99
5. Likelihood of Release	550	99
Waste Characteristics		
6. Toxicity/Persistence	*	4.00E+02
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	6
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	99
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	2.00E+05
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	32
Targets		
18. Food Chain Individual	50	2.00E+01
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-03
19d. Population (lines 19a+19b+19c)	**	3.00E-03
20. Targets (lines 18+19d)	**	2.00E+01
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.77

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	99
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	2.00E+06
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	56
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	6.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	6.00E+00
27. Targets (line 26d)	**	6.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	0.40
29. WATERSHED SCORE	100	1.17
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	1.17

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Glacial aquifer		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	4.00E+01
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	3
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	2.00E+05
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	32
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	2.00E+06
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	56
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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SOIL EXPOSURE PATHWAY SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+02
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	6
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	5.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	5.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	1.65E+04

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.

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SOIL EXPOSURE PATHWAY SCORESHEET
Commercial Envelope Mfg. Co., Inc. - 09/19/94

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	1.00E+01
13. Area of Contamination	100	5.00E+00
14. Likelihood of Exposure	500	5.00E+00
Waste Characteristics		
15. Toxicity	*	1.00E+02
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	6
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	4.00E+00
20. Targets (lines 18+19)	**	5.00E+00
21. NEARBY POPULATION THREAT SCORE	**	1.50E+02
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.20

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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AIR PATHWAY SCORESHEET

Commercial Envelope Mfg. Co., Inc. - 09/19/94

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	170
2b. Particulate Potential to Release	500	0
2c. Potential to Release	500	170
3. Likelihood of Release	550	170
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	6.60E+01
8d. Population (lines 8a+8b+8c)	**	6.60E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	2.37E-01
10c. Sens. Environments(lines 10a+10b)	***	2.37E-01
11. Targets (lines 7+8d+9+10c)	**	8.62E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	1.07E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.